

## ABSTRACT

The present invention is a solution that provides reliable and robust boot upgrade system and method. A power up boot process is performed in which a boot update application monitors for an indication of available update information and an update setup process is engaged in which an upgrade indication variable is set to a value indicating an upgrade is required and the upgrade indication variable continues to indicate an upgrade is required until an upgrade is successfully completed. An update reboot process is executed which retrieves updated information from a central management station and a boot loader routine reads an upgrade indication variable and repeatedly downloads the updated information until the upgrade indication variable indicates there is no pending update download required. The upgrade indication variable is changed to indicate no pending update download is required when a download is verified and authenticated.